

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1-3. (Canceled)

4. (Previously Presented) The cervical intervertebral prosthesis system according to claim 8, wherein at least one prosthesis has a slide surface radius above 18 mm and at least one prosthesis has a slide surface radius below 18 mm.

5. (Previously Presented) The cervical intervertebral prosthesis system according to claim 4 or 8, wherein at least one prosthesis has a slide surface radius below 15 mm.

6. (Canceled)

7. (Previously Presented) A method for determining which cervical intervertebral prosthesis of a cervical intervertebral prosthesis system comprising a plurality of intervertebral prostheses of different hinge radii is suitable for replacing a cervical intervertebral disk, comprising:

providing a cervical intervertebral prosthesis system comprising at least two different prostheses, each of which has a hinge with a predefined center of hinge movement, wherein the different prostheses have different positions of the center of hinge movement,

determining the hinge radius of an affected joint, and

selecting a prosthesis with a hinge radius approximating the hinge radius of the affected joint.

8. (Currently Amended) A cervical intervertebral prosthesis system comprising at least two different prostheses, each of which has a hinge with a predefined center of hinge movement and comprises a pair of slide surfaces configured to form the hinge,

wherein the different prostheses have different positions of the center of hinge movement and have slide surfaces with different radii of curvature, and

wherein a first one of the different prostheses of the system which is selectable to replace ~~a vertebral pair~~ an intervertebral disk lying in a cranial direction has slide surfaces with a greater

radius of curvature than the radius of curvature of the slide surfaces of a second one of the different prostheses of the system which is selectable to replace ~~a vertebral pair~~ an intervertebral disk lying in a direction more caudal than the direction of the first one of the different prostheses.

9-10. (Canceled)

11. (Previously Presented) The cervical intervertebral prosthesis system according to claim 8, wherein a first one of the different prostheses of the system has a smaller extent in an anterior-posterior direction and slide surfaces with a greater radius of curvature than the extent in an anterior-posterior direction and radius of curvature of the slide surfaces of a second one of the different prostheses of the system.

12. (New) The method according to claim 7, wherein at least one prosthesis has a slide surface radius above 18 mm and at least one prosthesis has a slide surface radius below 18 mm.

13. (New) The method according to claim 12, wherein at least one prosthesis has a slide surface radius below 15 mm.

14. (New) The method according to claim 7, wherein a first one of the different prostheses of the system has a smaller extent in an anterior-posterior direction and slide surfaces with a greater radius of curvature than the extent in an anterior-posterior direction and radius of curvature of the slide surfaces of a second one of the different prostheses of the system.